

#10



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AUG 1, 2003

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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/687,993A

Input Set : A:\A-357C-USSN09687993.txt

Output Set: N:\CRF4\08062003\I687993A.raw

3 <110> APPLICANT: Amgen Inc.
 5 <120> TITLE OF INVENTION: Truncated Glial Cell Line-Derived Neurotrophic Factor
 7 <130> FILE REFERENCE: A-357C
 9 <140> CURRENT APPLICATION NUMBER: 09/687,993A
 10 <141> CURRENT FILING DATE: 2000-10-13
 12 <150> PRIOR APPLICATION NUMBER: 08/535,681
 13 <151> PRIOR FILING DATE: 1995-09-28
 15 <160> NUMBER OF SEQ ID NOS: 51
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 402
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: CDS
 26 <222> LOCATION: (1)..(402)
 27 <223> OTHER INFORMATION:

W--> 30 <400> 1

31	tca	cca	gat	aaa	caa	atg	gca	gtg	ctt	cct	aga	aga	gag	cg	aat	cg	48
32	Ser	Pro	Asp	Lys	Gln	Met	Ala	Val	Leu	Pro	Arg	Arg	Glu	Arg	Asn	Arg	
33	1					5			10						15		
35	cag	gct	gca	gct	gcc	aac	cca	gag	aat	tcc	aga	gga	aaa	gg	cg	aga	96
36	Gln	Ala	Ala	Ala	Asn	Pro	Glu	Asn	Ser	Arg	Gly	Lys	Gly	Arg	Arg		
37						20			25				30				
39	ggc	cag	ggc	aaa	aac	cg	gg	gt	tgt	gtc	tta	act	gca	ata	cat	tta	144
40	Gly	Gln	Arg	Gly	Lys	Asn	Arg	Gly	Cys	Val	Leu	Thr	Ala	Ile	His	Leu	
41						35			40			45					
43	aat	gtc	act	gac	ttg	gg	ctg	gtc	tat	gaa	acc	aag	gag	gaa	ctg	att	192
44	Asn	Val	Thr	Asp	Leu	Gly	Leu	Gly	Tyr	Glu	Thr	Lys	Glu	Glu	Leu	Ile	
45						50			55			60					
47	ttt	agg	tac	tgc	agc	ggc	tct	tgc	gat	gca	gct	gag	aca	acg	tac	gac	240
48	Phe	Arg	Tyr	Cys	Ser	Gly	Ser	Cys	Asp	Ala	Ala	Glu	Thr	Thr	Tyr	Asp	
49	65					70			75			80					
51	aaa	ata	ttg	aaa	aac	tta	tcc	aga	aat	aga	agg	ctg	gt	act	gac	aaa	288
52	Lys	Ile	Leu	Lys	Asn	Leu	Ser	Arg	Asn	Arg	Arg	Leu	Val	Thr	Asp	Lys	
53						85			90			95					
55	gta	ggg	cag	gca	tgt	tgc	aga	ccc	atc	gcc	ttt	gat	gat	gac	ctg	tcg	336
56	Val	Gly	Gln	Ala	Cys	Cys	Arg	Pro	Ile	Ala	Phe	Asp	Asp	Asp	Leu	Ser	
57						100			105			110					
59	ttt	tta	gat	gat	aac	ctg	gtt	tac	cat	att	cta	aga	aag	cat	tcc	gct	384
60	Phe	Leu	Asp	Asp	Asn	Leu	Val	Tyr	His	Ile	Leu	Arg	Lys	His	Ser	Ala	
61						115			120			125					
63	aaa	agg	tgt	gga	tgt	atc										402	

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Input Set : A:\A-357C-USSN09687993.txt
Output Set: N:\CRF4\08062003\I687993A.raw

64 Lys Arg Cys Gly Cys Ile
65 130
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 134
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
75 Ser Pro Asp Lys Gln Met Ala Val Leu Pro Arg Arg Glu Arg Asn Arg
76 1 5 10 15
79 Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
80 20 25 30
83 Gly Gln Arg Gly Lys Asn Arg Gly Cys Val Leu Thr Ala Ile His Leu
84 35 40 45
87 Asn Val Thr Asp Leu Gly Leu Gly Tyr Glu Thr Lys Glu Glu Leu Ile
88 50 55 60
91 Phe Arg Tyr Cys Ser Gly Ser Cys Asp Ala Ala Glu Thr Thr Tyr Asp
92 65 70 75 80
95 Lys Ile Leu Lys Asn Leu Ser Arg Asn Arg Arg Leu Val Thr Asp Lys
96 85 90 95
99 Val Gly Gln Ala Cys Cys Arg Pro Ile Ala Phe Asp Asp Asp Leu Ser
100 100 105 110
103 Phe Leu Asp Asp Asn Leu Val Tyr His Ile Leu Arg Lys His Ser Ala
104 115 120 125
107 Lys Arg Cys Gly Cys Ile
108 130
111 <210> SEQ ID NO: 3
112 <211> LENGTH: 4
113 <212> TYPE: PRT
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 3
118 Lys Asn Arg Gly
119 1
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 5
124 <212> TYPE: PRT
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 4
129 Gly Lys Asn Arg Gly
130 1 5
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 6
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 5
140 Arg Gly Lys Asn Arg Gly
141 1 5
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 7
146 <212> TYPE: PRT

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Input Set : A:\A-357C-USSN09687993.txt
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147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 6
151 Gln Arg Gly Lys Asn Arg Gly
152 1 5
155 <210> SEQ ID NO: 7
156 <211> LENGTH: 8
157 <212> TYPE: PRT
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 7
162 Gly Gln Arg Gly Lys Asn Arg Gly
163 1 5
166 <210> SEQ ID NO: 8
167 <211> LENGTH: 9
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 8
173 Arg Gly Gln Arg Gly Lys Asn Arg Gly
174 1 5
177 <210> SEQ ID NO: 9
178 <211> LENGTH: 10
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 9
184 Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
185 1 5 10
188 <210> SEQ ID NO: 10
189 <211> LENGTH: 11
190 <212> TYPE: PRT
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 10
195 Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
196 1 5 10
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 12
201 <212> TYPE: PRT
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 11
206 Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
207 1 5 10
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 13
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 12
217 Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
218 1 5 10
221 <210> SEQ ID NO: 13
222 <211> LENGTH: 14
223 <212> TYPE: PRT

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Input Set : A:\A-357C-USSN09687993.txt
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224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 13
228 Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
229 1 5 10
232 <210> SEQ ID NO: 14
233 <211> LENGTH: 15
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 14
239 Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
240 1 5 10 15
243 <210> SEQ ID NO: 15
244 <211> LENGTH: 16
245 <212> TYPE: PRT
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 15
250 Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg Gly
251 1 5 10 15
254 <210> SEQ ID NO: 16
255 <211> LENGTH: 17
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
259 <400> SEQUENCE: 16
261 Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn Arg
262 1 5 10 15
265 Gly
269 <210> SEQ ID NO: 17
270 <211> LENGTH: 18
271 <212> TYPE: PRT
272 <213> ORGANISM: Homo sapiens
274 <400> SEQUENCE: 17
276 Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys Asn
277 1 5 10 15
280 Arg Gly
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 19
286 <212> TYPE: PRT
287 <213> ORGANISM: Homo sapiens
289 <400> SEQUENCE: 18
291 Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly Lys
292 1 5 10 15
295 Asn Arg Gly
299 <210> SEQ ID NO: 19
300 <211> LENGTH: 20
301 <212> TYPE: PRT
302 <213> ORGANISM: Homo sapiens
304 <400> SEQUENCE: 19
306 Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg Gly
307 1 5 10 15

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Input Set : A:\A-357C-USSN09687993.txt
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310 Lys Asn Arg Gly
311 20
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 21
316 <212> TYPE: PRT
317 <213> ORGANISM: Homo sapiens
319 <400> SEQUENCE: 20
321 Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln Arg
322 1 5 10 15
325 Gly Lys Asn Arg Gly
326 20
329 <210> SEQ ID NO: 21
330 <211> LENGTH: 22
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo sapiens
334 <400> SEQUENCE: 21
336 Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly Gln
337 1 5 10 15
340 Arg Gly Lys Asn Arg Gly
341 20
344 <210> SEQ ID NO: 22
345 <211> LENGTH: 23
346 <212> TYPE: PRT
347 <213> ORGANISM: Homo sapiens
349 <400> SEQUENCE: 22
351 Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg Gly
352 1 5 10 15
355 Gln Arg Gly Lys Asn Arg Gly
356 20
359 <210> SEQ ID NO: 23
360 <211> LENGTH: 24
361 <212> TYPE: PRT
362 <213> ORGANISM: Homo sapiens
364 <400> SEQUENCE: 23
366 Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg Arg
367 1 5 10 15
370 Gly Gln Arg Gly Lys Asn Arg Gly
371 20
374 <210> SEQ ID NO: 24
375 <211> LENGTH: 25
376 <212> TYPE: PRT
377 <213> ORGANISM: Homo sapiens
379 <400> SEQUENCE: 24
381 Arg Gln Ala Ala Ala Ala Asn Pro Glu Asn Ser Arg Gly Lys Gly Arg
382 1 5 10 15
385 Arg Gly Gln Arg Gly Lys Asn Arg Gly
386 20 25
389 <210> SEQ ID NO: 25
390 <211> LENGTH: 26

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/687,993A

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Input Set : A:\A-357C-USSN09687993.txt
Output Set: N:\CRF4\08062003\I687993A.raw

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L:680 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:41,Line#:677
L:764 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:43,Line#:761
L:840 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:45,Line#:837